

19. A foldable intraocular lens system as in claim 10 wherein said insertion instrument further comprises a plurality of removable tunnel shields for shielding said foldable implant during insertion into an eye.

20. A foldable intraocular lens as in claim 15 further comprising at least one hook affixed to each of said platforms, said hooks constructed and arranged to grip said foldable intraocular lens and aid in the unfolding of said foldable intraocular lens after insertion in an eye.

21. A foldable intraocular lens system as in claim 10 further comprising means for locking said foldable implant in an unfolded position after insertion of said implant into an eye.

22. A foldable intraocular lens system as in claim 21 wherein said locking means comprises:

a plurality of locking pins having a first spherically-tipped end, a second end and a flange located between said first and second ends with said second ends being embedded in said separation cuts; and a plurality of spherically-ended locking pin receiving cavities embedded in said separation cuts and oriented so that said spherically tipped first ends of said locking pins enter and engage said spherical ends of said receiving cavities when said foldable lens body is in an unfolded position.

23. A foldable intraocular lens insertion instrument comprising:

a top segment and a bottom segment constructed and arranged for gripping a foldable intraocular lens in a vise-like grip;

two platforms rotatably affixed to said bottom segment; and

means for controlling the rotation of said platforms whereby unfolding of said foldable intraocular lens is facilitated.

24. A foldable intraocular lens insertion instrument as in claim 23 wherein said means for controlling rotation includes unfolding springs for exerting force against said platforms to facilitate unfolding of said foldable intraocular lens.

25. A foldable intraocular lens insertion instrument as in claim 24 wherein said means for controlling rotation further comprises a retainer drum and string assembly with said assembly having at least one string operationally connected to each of said platforms and said strings arranged to be windable and unwindable about said drum to control the rotational movement of said platforms acted upon by said springs and to aid in rotating said platforms against the force of said springs after unfolding of said foldable intraocular lens is complete.

26. A foldable intraocular lens insertion instrument as in claim 25 wherein said insertion instrument includes a plurality of removable tunnel shields for shielding said foldable intraocular lens during insertion into an eye.

27. A foldable intraocular lens insertion instrument as in claim 26 wherein said drum and string assembly may be controlled by a plurality of electronically controlled hydraulic rotary actuators that may be used therewith and said tunnel shields may be removed from the eye by a plurality of electronically controlled hydraulic linear actuators that may be used therewith.

28. A foldable intraocular lens insertion instrument as in claim 23 further comprising at least one hook affixed to each of said platforms, said hooks constructed and arranged to grip said foldable intraocular lens and aid in the unfolding of said foldable intraocular lens after insertion in an eye.

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